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FDFT1 Antibody (C-term) Blocking Peptide

Synthetic peptide
Catalog # BP14561b

Specification

FDFT1 Antibody (C-term) Blocking Peptide - Product Information

Primary Accession P37268

FDFT1 Antibody (C-term) Blocking Peptide - Additional Information

Gene ID 2222

Other Names
Squalene synthase, SQS, SS, FPP:FPP farnesyltransferase, Farnesyl-diphosphate farnesyltransferase, FDFT1

Format
Peptides are lyophilized in a solid powder format. Peptides can be reconstituted in solution using the appropriate buffer as needed.

Storage
Maintain refrigerated at 2-8°C for up to 6 months. For long term storage store at -20°C.

Precautions
This product is for research use only. Not for use in diagnostic or therapeutic procedures.

FDFT1 Antibody (C-term) Blocking Peptide - Protein Information

Name FDFT1

Function
Catalyzes the condensation of 2 farnesyl pyrophosphate (FPP) moieties to form squalene. Proceeds in two distinct steps. In the first half-reaction, two molecules of FPP react to form the stable presqualene diphosphate intermediate (PSQPP), with concomitant release of a proton and a molecule of inorganic diphosphate. In the second half-reaction, PSQPP undergoes heterolysis, isomerization, and reduction with NADPH or NADH to form squalene. It is the first committed enzyme of the sterol biosynthesis pathway.

Cellular Location
Endoplasmic reticulum membrane {ECO:0000250|UniProtKB:Q02769}; Multi-pass membrane protein

Tissue Location
Widely expressed..

FDFT1 Antibody (C-term) Blocking Peptide - Protocols

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Provided below are standard protocols that you may find useful for product applications.

- Blocking Peptides

FDFT1 Antibody (C-term) Blocking Peptide - Images

FDFT1 Antibody (C-term) Blocking Peptide - Background

This gene encodes a membrane-associated enzyme located ata branch point in the mevalonate pathway. The encoded protein isthe first specific enzyme in cholesterol biosynthesis, catalyzingthe dimerization of two molecules of farnesyl diphosphate in atwo-step reaction to form squalene.

FDFT1 Antibody (C-term) Blocking Peptide - References

Chalasani, N., et al. Gastroenterology 139(5):1567-1576(2010)Bailey, S.D., et al. Diabetes Care 33(10):2250-2253(2010)Kovanen, L., et al. Alcohol Alcohol. 45(4):303-311(2010)Lipkin, S.M., et al. Cancer Prev Res (Phila) 3(5):597-603(2010)Sjoholm, L.K., et al. J Circadian Rhythms 8, 1 (2010) :